

Abstract

The horizontal spool tree assembly 10 controls fluid flow through a production tubing string 18 within a well. The horizontal spool tree assembly is adapted for use with a workover string for fluid communication with the tree assembly. The spool body 12 has a central bore 14 for receiving a tubing hanger 22 therein, with a production passageway extending laterally through the spool body to a production line 36. The spool body also includes an annulus passageway extending laterally through the spool body for fluid communication between the tubing annulus 16 and the annulus line 52. The spool tree assembly has improved porting for the production line and the annulus line, and also for both workover and crossover operations.